

OVERVIEW

The Center for Medicare and Medicaid Services (CMS) recently published its annual [National Health Expenditures report](#), which estimates that by 2031, healthcare expenditures will account for \$1 out of every \$5 spent in the U.S. As health expenditures continue to grow, it is critical to conduct local analyses to determine drivers of healthcare costs that may differ by population, payer and region.

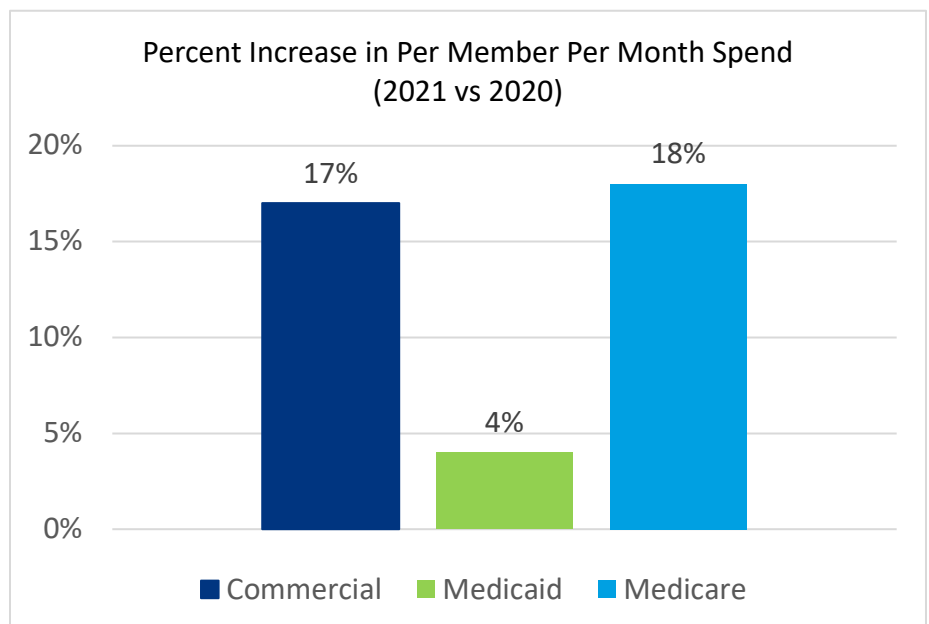
Primary care plays a critical role in controlling healthcare costs, as both the entry point to the healthcare system as well as the main provider of preventive care and provider-led care coordination. To better understand healthcare cost drivers in Virginia and define appropriate local solutions, the [Virginia Task Force on Primary Care \(VTFPC\)](#) conducted a total cost of care analysis using the Virginia Health Information (VHI) All Payer Claims Database for services provided in 2019 – 2021.¹

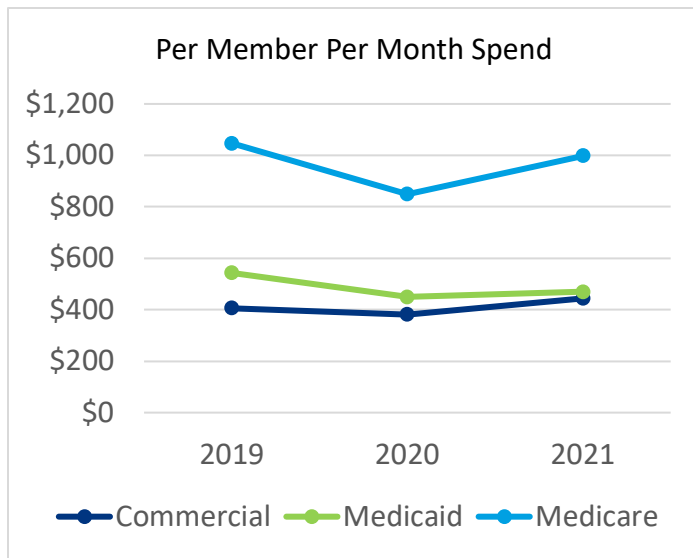
KEY FINDINGS

- Virginia spent \$49.5 billion on healthcare in 2021, which approximates \$5,700 per Virginian.
- Expenditures for all payers increased in 2021 after a decline in 2020 with the COVID-19 pandemic.
- With a 4% increase, Medicaid expenditures increased the least on a per member per month basis.
- Prescription drugs account for every 1 in 4 dollars spent on healthcare in Virginia.
- Cost drivers vary greatly by region. Physician services account for 16% of total healthcare expenditures in the Northwest region compared to 30% in Northern Virginia, while inpatient services account for 35% of and 16% of expenditures in the Northwest and Northern regions respectively.

TOTAL COST OF CARE HAS REBOUNDED SINCE THE PANDEMIC

In total, Virginia is estimated to have spent \$49.5 billion on healthcare in 2021, or approximately \$5,700 per Virginian. Commercial plans were the most prevalent health coverage in Virginia, covering an estimated 5 million Virginians.² Medicaid covered 2.3 million individuals over the course of 2021 for \$10.7 billion. Medicare fee-for-service (FFS) and Medicare Advantage plans covered 1.6 million and 485,000 Virginians respectively and totaled \$18.8 billion.





While healthcare expenditures decreased in 2020 with the COVID-19 pandemic, statewide expenditures rebounded in 2021, exceeding 2019 expenditures by 16%. Medicaid experienced the greatest overall increase in spending between 2020 and 2021 with a 20% increase in total expenditures. This increase was largely due to a 15% increase in monthly enrollment, the largest increase across any payer. Increases in Medicaid enrollment are a national trend associated with economic disruptions and federal continuity of coverage requirements. Virginia began disenrollments in May of 2023 following the announcement of the end of the federal Public Health Emergency.

On a per member basis, Medicaid expenditures increased by 4%, significantly less than either commercial plans or Medicare, which increased by 17% and 18% respectively. In fact, Medicaid’s per member per month continues to be significantly below 2019 pre-pandemic levels (\$543 vs \$470). All three payers experienced a decrease in per member per month (PMPM) expenditures with the COVID-19 pandemic, but have since rebounded to some degree. Commercial plans are the only payer to have increased their PMPM above 2019 levels (\$406 vs \$444). Medicare, with an older population, has the highest PMPM in the Commonwealth, with PMPM of \$998 in 2021. Commercial plans, with a generally healthier population, have the lowest PMPM of \$444.

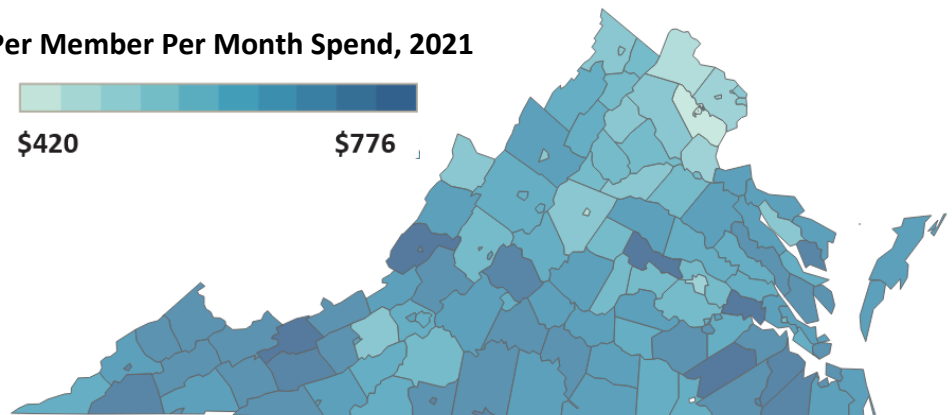
EXPENDITURES VARY BY LOCALITY

Total expenditures are heavily concentrated in large urban population centers, with Fairfax County far outpacing other areas for total spend. Fairfax County, with 1.1 million residents, spent an estimated \$5.4 billion on healthcare in 2021 – compared to Highland County, which spent less than \$12 million and has a population of 2,300 people.

While total expenditures are highly dependent on population size, per member per month expenditures better assess intensity of resource utilization for any given individual in an area. Per member per month expenditures are estimated based on data available through the APCD, which includes Commercial, Medicare and Medicaid expenditures. Based on this analysis, rural areas are more likely to have higher PMPM spend. The Southwest, Southside, and Eastern areas of the state average higher PMPMs than the Central and Northern regions of Virginia on average.

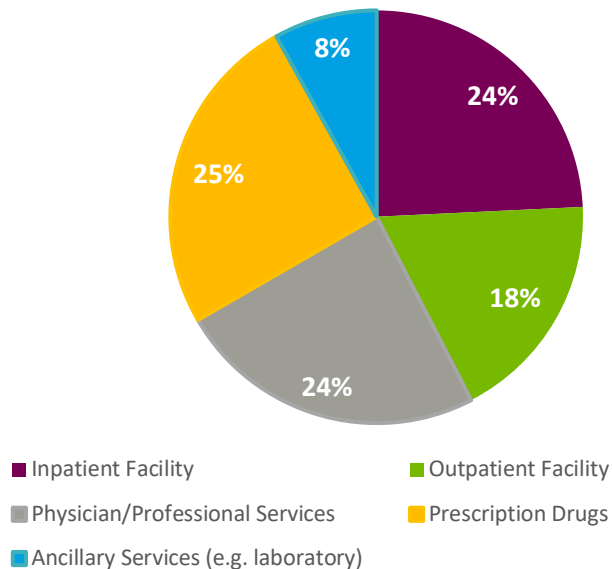
PMPM expenditures range from \$420 in Manassas to \$776 in Goochland and Sussex counties. Higher per member per month spend could not be solely attributed to older populations, but likely also reflects the general health of the region.

Per Member Per Month Spend, 2021



COST DRIVERS

Total Healthcare Expenditures, 2021



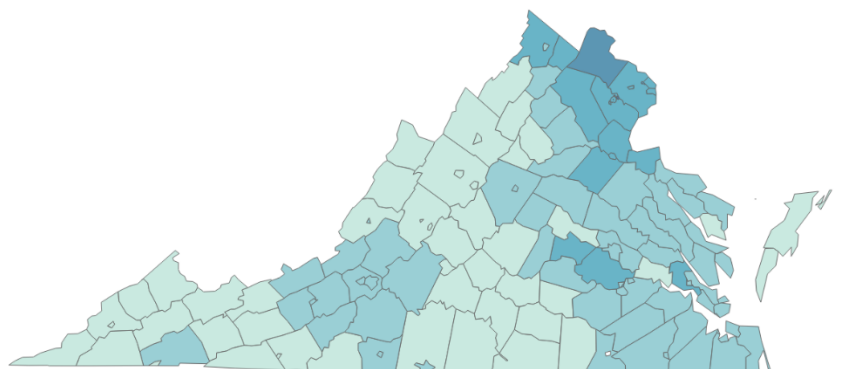
Prescription drug expenditures for Medicare fee-for-service are not available through the APCD. However, despite this missing data, prescription drug expenditures account for \$1 in \$4 spent on healthcare in Virginia. Inpatient facility and physician services account for another 24% of total healthcare expenditures each.

Cost drivers, however, are not uniform throughout the Commonwealth and tend to reflect workforce and facility availability. For instance, while physician services account for 24% of total health care expenditures state-wide, in the Northwest and Southside regions of the Commonwealth, physician expenditures account for far less of the total

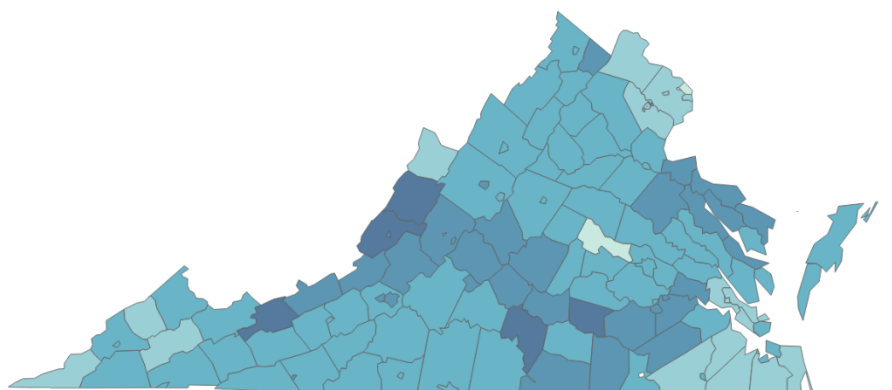
expenditures. In Bath, Buchanan, Buckingham, Charlotte, Highland, and Page counties, physician services account for only 16% of total expenditures. Whereas, in Northern Virginia, physician services account for 30% of healthcare expenditures in Loudon County, Manassas Park, and the City of Falls Church. Percent of total healthcare spent on physician services, which includes primary care and preventive services, is a key indicator for the efficiency of the healthcare landscape, since it represents healthcare services typically provided in lower cost outpatient settings.

Inpatient services, an indicator of acute need, make up a more significant portion of total healthcare expenditures in the Northwest region and much less in the Northern Virginia region, presenting a near inverse distribution of expenditures compared to physician services. In Falls Church, inpatient facility fees account for 16% of total spend, whereas, inpatient facility fees account for 35% of healthcare expenditures in Bath and Alleghany counties. See the accompanying Appendix for additional details.

Percent of Total Healthcare Spend, 2021



Physician Services



Inpatient Facility

CONCLUSION

Mirroring national trends, Virginia total healthcare expenditures have rebounded after a decline during the COVID-19 pandemic. This rebound effect is most pronounced in commercial plans, where the per member per month expenditures have risen above 2019 expenditures. Medicaid has seen the smallest increase in per member per month expenditures, but total expenditures have increased more than other payers due to significant increased enrollment. As total healthcare expenditures rebound and continue to increase, it will be critical to monitor cost drivers and how they vary by region to ensure that funds are being used efficiently and effectively.

Analyses of 2021 data suggest that healthcare expenditures are not evenly distributed across the Commonwealth and drivers of cost vary by locality. Physician services, which include primary care and preventive services, tend to represent care occurring in less costly settings and care earlier in disease progression. While physician services account for at least 30% of total healthcare spend in much of Northern Virginia, they account for only 16% in the Northwest and Southside regions of the Commonwealth. Inversely, inpatient expenditures are a much more significant portion of total spend in Northwest Virginia, while representing a smaller fraction in Northern Virginia. Disparities in expenditures across the Commonwealth may represent workforce constraints, facility locations, and age, health, and income level of the population of that region.

The Virginia Task Force on Primary Care recommends annual reports on the total cost of care in Virginia to better inform resource investment in the Virginia healthcare system.

¹ The VHI All Payers Claims data base includes claims and encounters provided by Medicaid fee-for-services, Medicaid Managed Care entities, Commercial plans, Medicare Advantage plans, and Medicare fee-for-service. ERISA, military, and federal employee plans are not included. Claims for uninsured individuals are not included. Medicaid fee-for-service skilled nursing facility payments and Medicare FFS pharmacy claims have been excluded due to missing data. Analyses are based on actual paid amounts adjusted for trends in payment reversals, with the exception of integrated health plans. For integrated plans, proxy paid amounts are used to determine equivalent service-based payments.

² Kaiser Family Foundation. [Health Insurance Coverage of the Total Population](#). 2021

The Virginia Task Force for Primary Care (VTFPC) was launched in August 2020 as a multi-stakeholder collaboration. It is tasked with addressing the sustainability challenges facing primary care that came to light during the COVID-19 pandemic and continue to challenge our communities. The Task Force is led by the Virginia Center for Health Innovation. To learn more about the work of the VTFPC visit our [website](#).

Appendix A – Per member per month (PMPM) expenditures by type of service

Estimates are based on data from the 2021 VHI APCD. Estimates are generated based on averages from all payers. APCD data does not include data from ERISA plans, military health plans, federal employee health plans, or the uninsured. Medicaid fee-for-service skilled nursing facility payments and Medicare FFS pharmacy claims have been excluded due to missing data.

County Name	PMPM	Inpatient PMPM	Outpatient PMPM	Professional PMPM	Prescription Drug PMPM	Ancillary PMPM
Accomack	\$663.08	\$169.55	\$148.40	\$110.17	\$166.86	\$68.09
Albemarle	\$551.54	\$131.83	\$130.31	\$123.14	\$126.61	\$39.64
Alexandria City	\$548.45	\$123.31	\$85.39	\$141.53	\$146.11	\$52.11
Alleghany	\$746.41	\$260.62	\$138.22	\$132.12	\$163.77	\$51.69
Amelia	\$638.76	\$167.10	\$117.37	\$140.94	\$168.05	\$45.30
Amherst	\$722.97	\$204.55	\$146.18	\$127.04	\$198.94	\$46.26
Appomattox	\$648.11	\$179.29	\$118.58	\$126.76	\$174.68	\$48.79
Arlington	\$529.75	\$104.61	\$75.16	\$138.88	\$161.89	\$49.22
Augusta	\$620.65	\$158.93	\$151.51	\$116.10	\$153.58	\$40.54
Bath	\$645.30	\$223.60	\$165.24	\$104.99	\$118.37	\$33.09
Bedford	\$654.55	\$164.29	\$133.77	\$143.47	\$165.74	\$47.28
Bland	\$756.90	\$245.07	\$119.93	\$142.61	\$195.74	\$53.56
Botetourt	\$697.60	\$203.98	\$121.10	\$153.98	\$173.32	\$45.22
Bristol City	\$696.05	\$185.27	\$103.53	\$132.72	\$228.63	\$45.90
Brunswick	\$618.54	\$175.73	\$124.77	\$115.52	\$144.97	\$57.55
Buchanan	\$689.69	\$173.21	\$134.33	\$111.75	\$227.01	\$43.38
Buckingham	\$636.33	\$188.64	\$150.38	\$104.34	\$146.77	\$46.21
Buena Vista City	\$649.75	\$190.50	\$132.47	\$122.54	\$159.41	\$44.83
Campbell	\$690.94	\$185.68	\$140.27	\$125.63	\$192.72	\$46.63
Caroline	\$649.46	\$186.84	\$110.91	\$146.89	\$162.12	\$42.70
Carroll	\$643.75	\$162.57	\$122.89	\$121.82	\$175.65	\$60.82
Charles City	\$745.87	\$231.49	\$128.35	\$149.12	\$173.64	\$63.27
Charlotte	\$691.29	\$224.91	\$133.90	\$112.24	\$164.41	\$55.84
Charlottesville City	\$489.24	\$123.20	\$115.39	\$108.50	\$115.22	\$26.93
Chesapeake City	\$639.28	\$139.93	\$112.31	\$149.80	\$190.75	\$46.49
Chesterfield	\$574.98	\$139.66	\$111.20	\$147.82	\$140.08	\$36.23
Clarke	\$566.41	\$158.91	\$98.85	\$147.79	\$120.41	\$40.45
Colonial Heights City	\$634.08	\$173.23	\$111.91	\$156.00	\$142.00	\$50.94
Covington City	\$664.27	\$196.51	\$131.03	\$139.65	\$147.25	\$49.83
Craig	\$660.46	\$202.75	\$116.12	\$139.85	\$162.36	\$39.38
Culpeper	\$566.93	\$143.66	\$123.80	\$129.11	\$129.30	\$41.05
Cumberland	\$587.69	\$142.18	\$134.47	\$121.92	\$154.12	\$34.99
Danville City	\$735.03	\$190.93	\$127.77	\$154.23	\$205.01	\$57.08

Dickenson	\$673.28	\$154.88	\$136.48	\$116.18	\$219.81	\$45.93
Dinwiddie	\$703.55	\$211.39	\$119.76	\$169.29	\$152.74	\$50.38
Essex	\$660.39	\$196.11	\$129.23	\$136.41	\$147.00	\$51.63
Fairfax	\$499.20	\$100.22	\$77.83	\$139.66	\$131.26	\$50.24
Fairfax City	\$498.57	\$107.74	\$76.58	\$140.38	\$125.46	\$48.41
Falls Church City	\$531.04	\$85.29	\$85.23	\$161.02	\$160.57	\$38.93
Fauquier	\$558.33	\$138.04	\$104.73	\$143.92	\$129.05	\$42.60
Floyd	\$611.92	\$154.79	\$119.36	\$131.00	\$160.84	\$45.94
Fluvanna	\$585.61	\$138.58	\$138.78	\$121.37	\$152.56	\$34.32
Franklin	\$590.70	\$150.66	\$111.82	\$135.12	\$151.54	\$41.56
Franklin City	\$707.07	\$171.68	\$121.33	\$152.00	\$161.39	\$100.68
Frederick	\$555.22	\$137.03	\$103.58	\$145.89	\$133.84	\$34.89
Fredericksburg City	\$576.74	\$151.50	\$90.37	\$158.78	\$131.50	\$44.59
Galax City	\$657.08	\$181.38	\$121.26	\$126.85	\$167.73	\$59.86
Giles	\$704.92	\$196.48	\$133.12	\$144.45	\$182.25	\$48.61
Gloucester	\$692.05	\$165.31	\$146.15	\$152.83	\$181.27	\$46.49
Goochland	\$776.45	\$146.87	\$113.16	\$151.71	\$327.02	\$37.68
Grayson	\$701.47	\$189.81	\$130.11	\$141.24	\$183.35	\$56.96
Greene	\$568.99	\$152.00	\$136.24	\$110.92	\$132.03	\$37.79
Greensville	\$632.40	\$168.18	\$121.23	\$137.72	\$134.48	\$70.79
Halifax	\$643.85	\$171.24	\$145.46	\$109.18	\$169.03	\$48.94
Hampton City	\$675.27	\$167.20	\$120.72	\$150.83	\$189.04	\$47.48
Hanover	\$627.14	\$161.85	\$125.14	\$155.38	\$145.93	\$38.85
Harrisonburg City	\$544.44	\$142.35	\$126.41	\$106.70	\$137.97	\$31.01
Henrico	\$592.91	\$150.93	\$111.43	\$146.75	\$144.61	\$39.19
Henry	\$698.19	\$178.08	\$122.47	\$152.17	\$193.32	\$52.15
Highland	\$531.83	\$108.65	\$158.94	\$84.05	\$144.74	\$35.46
Hopewell City	\$653.99	\$202.88	\$108.45	\$144.03	\$155.80	\$42.83
Isle Of Wight	\$727.44	\$170.82	\$126.80	\$165.51	\$212.37	\$51.94
James City	\$646.92	\$138.94	\$138.68	\$174.72	\$151.58	\$43.00
King And Queen	\$678.66	\$178.22	\$143.41	\$143.52	\$161.18	\$52.34
King George	\$652.42	\$193.57	\$97.43	\$164.46	\$150.81	\$46.15
King William	\$629.03	\$164.51	\$119.49	\$141.88	\$157.93	\$45.22
Lancaster	\$719.91	\$191.19	\$167.20	\$141.40	\$161.81	\$58.31
Lee	\$615.82	\$140.12	\$92.49	\$118.48	\$215.98	\$48.75
Lexington City	\$591.66	\$156.53	\$147.23	\$120.30	\$130.84	\$36.76
Loudoun	\$471.98	\$100.06	\$79.79	\$140.85	\$112.70	\$38.58
Louisa	\$637.23	\$171.71	\$130.78	\$134.31	\$156.09	\$44.35
Lunenburg	\$643.91	\$169.40	\$127.09	\$122.97	\$161.65	\$62.79
Lynchburg City	\$617.41	\$172.94	\$115.89	\$122.62	\$164.05	\$41.90
Madison	\$578.71	\$155.41	\$149.08	\$105.54	\$136.01	\$32.68

Manassas City	\$420.55	\$92.76	\$73.34	\$120.36	\$98.80	\$35.29
Manassas Park City	\$745.05	\$207.71	\$80.85	\$291.58	\$20.65	\$144.26
Martinsville City	\$714.74	\$190.10	\$122.51	\$153.64	\$189.23	\$59.26
Mathews	\$691.70	\$189.34	\$132.61	\$155.74	\$152.99	\$61.03
Mecklenburg	\$665.62	\$196.68	\$143.76	\$119.52	\$150.74	\$54.93
Middlesex	\$629.97	\$175.79	\$139.57	\$136.30	\$131.19	\$47.13
Montgomery	\$547.99	\$133.06	\$109.20	\$132.51	\$138.02	\$35.20
Nelson	\$609.64	\$170.25	\$138.84	\$116.49	\$144.97	\$39.09
New Kent	\$622.62	\$155.04	\$125.81	\$152.26	\$147.78	\$41.73
Newport News City	\$625.73	\$142.58	\$117.43	\$137.23	\$185.65	\$42.83
Norfolk City	\$674.19	\$164.53	\$112.76	\$142.85	\$198.61	\$55.43
Northampton	\$658.55	\$170.26	\$128.60	\$120.05	\$148.94	\$90.71
Northumberland	\$665.43	\$187.55	\$148.83	\$144.51	\$135.78	\$48.76
Norton City	\$707.56	\$172.36	\$102.58	\$128.56	\$259.40	\$44.66
Nottoway	\$626.89	\$200.22	\$110.73	\$127.38	\$140.59	\$47.96
Orange	\$562.85	\$136.79	\$133.19	\$131.79	\$124.97	\$36.11
Page	\$627.80	\$166.93	\$167.47	\$101.22	\$152.36	\$39.81
Patrick	\$618.42	\$165.25	\$110.82	\$124.88	\$163.87	\$53.61
Petersburg City	\$694.54	\$204.15	\$114.26	\$170.36	\$155.59	\$50.19
Pittsylvania	\$697.98	\$178.76	\$130.36	\$125.00	\$209.80	\$54.06
Poquoson City	\$660.90	\$155.52	\$131.50	\$160.98	\$168.48	\$44.43
Portsmouth City	\$684.79	\$173.49	\$121.92	\$143.58	\$189.80	\$56.00
Powhatan	\$589.74	\$146.05	\$106.28	\$151.50	\$148.17	\$37.74
Prince Edward	\$666.23	\$196.03	\$137.68	\$118.68	\$167.21	\$46.63
Prince George	\$605.26	\$170.66	\$111.05	\$144.40	\$140.19	\$38.96
Prince William	\$454.81	\$106.70	\$69.98	\$131.89	\$104.07	\$42.18
Pulaski	\$703.96	\$180.64	\$128.98	\$151.69	\$188.62	\$54.02
Radford	\$651.62	\$155.96	\$117.11	\$156.93	\$177.14	\$44.47
Rappahannock	\$551.07	\$143.22	\$119.53	\$125.12	\$120.48	\$42.71
Richmond	\$549.78	\$154.32	\$120.80	\$115.14	\$113.59	\$45.93
Richmond City	\$513.30	\$132.64	\$104.28	\$123.56	\$120.92	\$31.91
Roanoke	\$613.87	\$155.94	\$115.99	\$154.23	\$145.45	\$42.26
Roanoke City	\$620.20	\$169.84	\$110.66	\$143.36	\$157.86	\$38.48
Rockbridge	\$589.91	\$166.66	\$136.81	\$113.00	\$131.30	\$42.13
Rockingham	\$639.27	\$173.60	\$152.15	\$109.33	\$166.18	\$38.01
Russell	\$685.31	\$161.48	\$117.33	\$137.49	\$221.23	\$47.77
Salem	\$657.36	\$196.00	\$115.46	\$152.61	\$150.94	\$42.35
Scott	\$719.60	\$172.51	\$106.42	\$128.76	\$269.72	\$42.18
Shenandoah	\$631.52	\$160.92	\$153.30	\$123.62	\$151.86	\$41.82
Smyth	\$694.02	\$178.28	\$130.02	\$126.79	\$211.40	\$47.54
Southampton	\$698.16	\$153.19	\$132.94	\$158.21	\$196.85	\$56.97

Spotsylvania	\$587.98	\$155.55	\$95.42	\$156.23	\$138.54	\$42.24
Stafford	\$517.61	\$131.42	\$85.53	\$145.41	\$117.12	\$38.13
Staunton City	\$599.68	\$165.51	\$136.09	\$117.73	\$138.31	\$42.04
Suffolk City	\$733.44	\$165.36	\$126.73	\$159.57	\$213.84	\$67.94
Surry	\$701.75	\$179.71	\$133.34	\$150.01	\$189.43	\$49.27
Sussex	\$775.84	\$218.61	\$126.25	\$162.75	\$200.97	\$67.27
Tazewell	\$693.62	\$171.11	\$128.61	\$121.88	\$222.62	\$49.42
Virginia Beach City	\$655.25	\$147.00	\$109.21	\$160.53	\$199.46	\$39.05
Warren	\$596.43	\$157.48	\$122.22	\$136.47	\$135.74	\$44.51
Washington	\$661.33	\$158.04	\$121.83	\$137.63	\$201.03	\$42.80
Waynesboro City	\$621.94	\$161.43	\$148.58	\$119.38	\$150.37	\$42.17
Westmoreland	\$655.89	\$191.74	\$120.31	\$151.12	\$146.14	\$46.59
Williamsburg City	\$596.55	\$138.23	\$101.13	\$124.60	\$179.71	\$52.89
Winchester City	\$555.71	\$151.27	\$94.68	\$133.31	\$136.86	\$39.59
Wise	\$663.34	\$156.82	\$117.47	\$120.85	\$225.35	\$42.85
Wythe	\$718.37	\$182.56	\$118.10	\$141.03	\$224.97	\$51.71
York	\$665.17	\$146.05	\$135.51	\$166.00	\$176.99	\$40.63

Appendix B – Percent of healthcare expenditures by type of service

Data from 2021 VHI APCD.

County Name	Inpatient Percent	Outpatient Percent	Professional Percent	Prescription drug percent	Ancillary Percent
Accomack	25.57%	22.38%	16.62%	25.16%	10.27%
Albemarle	23.90%	23.63%	22.33%	22.96%	7.19%
Alexandria City	22.48%	15.57%	25.81%	26.64%	9.50%
Alleghany	34.92%	18.52%	17.70%	21.94%	6.92%
Amelia	26.16%	18.38%	22.06%	26.31%	7.09%
Amherst	28.29%	20.22%	17.57%	27.52%	6.40%
Appomattox	27.66%	18.30%	19.56%	26.95%	7.53%
Arlington	19.75%	14.19%	26.22%	30.56%	9.29%
Augusta	25.61%	24.41%	18.71%	24.74%	6.53%
Bath	34.65%	25.61%	16.27%	18.34%	5.13%
Bedford	25.10%	20.44%	21.92%	25.32%	7.22%
Bland	32.38%	15.84%	18.84%	25.86%	7.08%
Botetourt	29.24%	17.36%	22.07%	24.84%	6.48%
Bristol City	26.62%	14.87%	19.07%	32.85%	6.59%
Brunswick	28.41%	20.17%	18.68%	23.44%	9.30%
Buchanan	25.11%	19.48%	16.20%	32.92%	6.29%
Buckingham	29.64%	23.63%	16.40%	23.06%	7.26%
Buena Vista City	29.32%	20.39%	18.86%	24.53%	6.90%
Campbell	26.87%	20.30%	18.18%	27.89%	6.75%
Caroline	28.77%	17.08%	22.62%	24.96%	6.58%
Carroll	25.25%	19.09%	18.92%	27.28%	9.45%
Charles City	31.04%	17.21%	19.99%	23.28%	8.48%
Charlotte	32.53%	19.37%	16.24%	23.78%	8.08%
Charlottesville City	25.18%	23.59%	22.18%	23.55%	5.50%
Chesapeake City	21.89%	17.57%	23.43%	29.84%	7.27%
Chesterfield	24.29%	19.34%	25.71%	24.36%	6.30%
Clarke	28.06%	17.45%	26.09%	21.26%	7.14%
Colonial Heights City	27.32%	17.65%	24.60%	22.39%	8.03%
Covington City	29.58%	19.73%	21.02%	22.17%	7.50%
Craig	30.70%	17.58%	21.17%	24.58%	5.96%
Culpeper	25.34%	21.84%	22.77%	22.81%	7.24%
Cumberland	24.19%	22.88%	20.75%	26.22%	5.95%
Danville City	25.98%	17.38%	20.98%	27.89%	7.77%
Dickenson	23.00%	20.27%	17.26%	32.65%	6.82%

Dinwiddie	30.05%	17.02%	24.06%	21.71%	7.16%
Essex	29.70%	19.57%	20.66%	22.26%	7.82%
Fairfax	20.08%	15.59%	27.98%	26.29%	10.06%
Fairfax City	21.61%	15.36%	28.16%	25.16%	9.71%
Falls Church City	16.06%	16.05%	30.32%	30.24%	7.33%
Fauquier	24.72%	18.76%	25.78%	23.11%	7.63%
Floyd	25.29%	19.51%	21.41%	26.28%	7.51%
Fluvanna	23.66%	23.70%	20.73%	26.05%	5.86%
Franklin	25.51%	18.93%	22.87%	25.65%	7.04%
Franklin City	24.28%	17.16%	21.50%	22.82%	14.24%
Frederick	24.68%	18.65%	26.28%	24.11%	6.28%
Fredericksburg City	26.27%	15.67%	27.53%	22.80%	7.73%
Galax City	27.60%	18.45%	19.31%	25.53%	9.11%
Giles	27.87%	18.89%	20.49%	25.85%	6.90%
Gloucester	23.89%	21.12%	22.08%	26.19%	6.72%
Goochland	18.92%	14.57%	19.54%	42.12%	4.85%
Grayson	27.06%	18.55%	20.14%	26.14%	8.12%
Greene	26.71%	23.94%	19.49%	23.20%	6.64%
Greensville	26.59%	19.17%	21.78%	21.27%	11.19%
Halifax	26.60%	22.59%	16.96%	26.25%	7.60%
Hampton City	24.76%	17.88%	22.34%	28.00%	7.03%
Hanover	25.81%	19.95%	24.78%	23.27%	6.20%
Harrisonburg City	26.15%	23.22%	19.60%	25.34%	5.70%
Henrico	25.46%	18.79%	24.75%	24.39%	6.61%
Henry	25.51%	17.54%	21.79%	27.69%	7.47%
Highland	20.43%	29.88%	15.80%	27.22%	6.67%
Hopewell City	31.02%	16.58%	22.02%	23.82%	6.55%
Isle Of Wight	23.48%	17.43%	22.75%	29.19%	7.14%
James City	21.48%	21.44%	27.01%	23.43%	6.65%
King And Queen	26.26%	21.13%	21.15%	23.75%	7.71%
King George	29.67%	14.93%	25.21%	23.12%	7.07%
King William	26.15%	19.00%	22.56%	25.11%	7.19%
Lancaster	26.56%	23.23%	19.64%	22.48%	8.10%
Lee	22.75%	15.02%	19.24%	35.07%	7.92%
Lexington City	26.46%	24.88%	20.33%	22.11%	6.21%
Loudoun	21.20%	16.91%	29.84%	23.88%	8.17%
Louisa	26.95%	20.52%	21.08%	24.49%	6.96%
Lunenburg	26.31%	19.74%	19.10%	25.10%	9.75%
Lynchburg City	28.01%	18.77%	19.86%	26.57%	6.79%
Madison	26.85%	25.76%	18.24%	23.50%	5.65%
Manassas City	22.06%	17.44%	28.62%	23.49%	8.39%
Manassas Park City	27.88%	10.85%	39.14%	2.77%	19.36%

Martinsville City	26.60%	17.14%	21.50%	26.47%	8.29%
Mathews	27.37%	19.17%	22.52%	22.12%	8.82%
Mecklenburg	29.55%	21.60%	17.96%	22.65%	8.25%
Middlesex	27.90%	22.15%	21.64%	20.82%	7.48%
Montgomery	24.28%	19.93%	24.18%	25.19%	6.42%
Nelson	27.93%	22.77%	19.11%	23.78%	6.41%
New Kent	24.90%	20.21%	24.46%	23.73%	6.70%
Newport News City	22.79%	18.77%	21.93%	29.67%	6.84%
Norfolk City	24.40%	16.72%	21.19%	29.46%	8.22%
Northampton	25.85%	19.53%	18.23%	22.62%	13.77%
Northumberland	28.18%	22.37%	21.72%	20.40%	7.33%
Norton City	24.36%	14.50%	18.17%	36.66%	6.31%
Nottoway	31.94%	17.66%	20.32%	22.43%	7.65%
Orange	24.30%	23.66%	23.42%	22.20%	6.42%
Page	26.59%	26.68%	16.12%	24.27%	6.34%
Patrick	26.72%	17.92%	20.19%	26.50%	8.67%
Petersburg City	29.39%	16.45%	24.53%	22.40%	7.23%
Pittsylvania	25.61%	18.68%	17.91%	30.06%	7.75%
Poquoson City	23.53%	19.90%	24.36%	25.49%	6.72%
Portsmouth City	25.34%	17.80%	20.97%	27.72%	8.18%
Powhatan	24.76%	18.02%	25.69%	25.13%	6.40%
Prince Edward	29.42%	20.67%	17.81%	25.10%	7.00%
Prince George	28.20%	18.35%	23.86%	23.16%	6.44%
Prince William	23.46%	15.39%	29.00%	22.88%	9.27%
Pulaski	25.66%	18.32%	21.55%	26.79%	7.67%
Radford	23.93%	17.97%	24.08%	27.19%	6.83%
Rappahannock	25.99%	21.69%	22.71%	21.86%	7.75%
Richmond	28.07%	21.97%	20.94%	20.66%	8.35%
Richmond City	25.84%	20.31%	24.07%	23.56%	6.22%
Roanoke	25.40%	18.90%	25.12%	23.69%	6.88%
Roanoke City	27.38%	17.84%	23.12%	25.45%	6.20%
Rockbridge	28.25%	23.19%	19.16%	22.26%	7.14%
Rockingham	27.16%	23.80%	17.10%	26.00%	5.95%
Russell	23.56%	17.12%	20.06%	32.28%	6.97%
Salem	29.82%	17.56%	23.22%	22.96%	6.44%
Scott	23.97%	14.79%	17.89%	37.48%	5.86%
Shenandoah	25.48%	24.27%	19.58%	24.05%	6.62%
Smyth	25.69%	18.73%	18.27%	30.46%	6.85%
Southampton	21.94%	19.04%	22.66%	28.20%	8.16%
Spotsylvania	26.46%	16.23%	26.57%	23.56%	7.18%
Stafford	25.39%	16.52%	28.09%	22.63%	7.37%
Staunton City	27.60%	22.69%	19.63%	23.06%	7.01%

Suffolk City	22.55%	17.28%	21.76%	29.16%	9.26%
Surry	25.61%	19.00%	21.38%	26.99%	7.02%
Sussex	28.18%	16.27%	20.98%	25.90%	8.67%
Tazewell	24.67%	18.54%	17.57%	32.09%	7.12%
Virginia Beach City	22.43%	16.67%	24.50%	30.44%	5.96%
Warren	26.40%	20.49%	22.88%	22.76%	7.46%
Washington	23.90%	18.42%	20.81%	30.40%	6.47%
Waynesboro City	25.96%	23.89%	19.19%	24.18%	6.78%
Westmoreland	29.23%	18.34%	23.04%	22.28%	7.10%
Williamsburg City	23.17%	16.95%	20.89%	30.12%	8.87%
Winchester City	27.22%	17.04%	23.99%	24.63%	7.12%
Wise	23.64%	17.71%	18.22%	33.97%	6.46%
Wythe	25.41%	16.44%	19.63%	31.32%	7.20%
York	21.96%	20.37%	24.96%	26.61%	6.11%